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Abstract

The invention relates to an internal combustion engine, with a control unit (16), a combustion space (8) formed between a piston (5) and a cylinder head, and a fuel injection device with an injection nozzle (13), which has a nozzle needle and a plurality of injection bores, fuel being injected by means of the injection nozzle into the combustion space (8) in the form of a plurality of fuel jets (17) as a main injection (HE), as a postinjection (NE) and, if appropriate, as a preinjection (VE). The injection bores of the injection nozzle (13) are arranged in at least two different separately activatable rows of holes, an operating stroke of the nozzle needle being capable of being set by means of the control unit as a function of a piston position (ϕ) and/or of an operating point of the internal combustion engine (1), and the rows of holes of the injection nozzle (13) having different injection-hole cone angles.

Fig. 1